

Title (en)
CATALYST COMPOSITION MANUFACTURING METHOD AND SULFUR-CONTAINING HYDROCARBON HYDRODESULFURIZATION METHOD USING THE SAME CATALYST COMPOSITION.

Title (de)
METHODE ZUR HERSTELLUNG EINER KATALYSATORZUSAMMENSETZUNG UND METHODE ZUR HYDRIERENDEN ENTSCHWEFELUNG VON SCHWEFELHALTIGEN KOHLENWASSERSTOFFEN UND VERWENDUNG DIESER KATALYSATORZUSAMMENSETZUNG.

Title (fr)
PROCEDE DE FABRICATION D'UNE COMPOSITION CATALYTIQUE ET PROCEDE D'HYDRODESULFURATION D'HYDROCARBURES CONTENANT DU SOUFRE A L'AIDE DE CETTE COMPOSITION CATALYTIQUE.

Publication
EP 0638361 A4 19960501 (EN)

Application
EP 94906390 A 19940215

Priority
• JP 9400222 W 19940215
• JP 4719093 A 19930215

Abstract (en)
[origin: EP0638361A1] A suspension of alumina gel obtained by dispersing alumina gel into pure water so that the concentration of alumina is in the range of 0.1-12 wt.% and an aqueous solution of metallic salt in which a compound of metal in VIA group and that of metal in VIII group are dissolved are mixed, and the resultant mixture is dried and hardened by evaporating the water while agitating the mixture, whereby these metal components can be supported effectively on the alumina gel up to a sufficiently high support quantity. This enables a high-performance catalyst composition constituting a catalyst the performance, such as activity, of which is superior to that of a hydrogen treated catalyst, and such as a conventional hydrodesulfurized molten catalysts to be obtained easily. When this catalyst composition is brought into contact with sulfur-containing hydrocarbon in the presence of hydrogen, hydrocarbons from which sulfur has been sufficiently removed can be obtained.

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IPC 8 full level
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CPC (source: EP KR)
B01J 23/85 (2013.01 - EP KR); **B01J 37/0236** (2013.01 - EP KR); **C10G 45/08** (2013.01 - EP KR)

Citation (search report)
• [A] FR 2424062 A1 19791123 - AMERICAN CYANAMID CO [US]
• [A] US 5001101 A 19910319 - KEMP RICHARD A [US]
• [A] DE 2647702 A1 19770428 - ATOMIC ENERGY AUTHORITY UK
• See references of WO 9417910A1

Cited by
AU2001285823B2; FR3083143A1; US2020338531A1; US7282467B2; WO0205958A1; WO2020002140A1; WO9730787A1; WO0183108A1; EP2540392A4; EP2540805A4

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